

WHAT IS CLAIMED IS:

1. An in vitro culture medium comprising containing lactic acid and pyruvic acid for the in vitro culture of in vitro-produced porcine embryo.

2. The in vitro culture medium for the in vitro culture according to claim 1, wherein the culture medium is conditioned with oviductal epithelial cell.

3. The in vitro culture medium for the in vitro culture according to claim 1, wherein the culture medium comprises NCSU culture medium, from which glucose is removed and lactic acid and pyruvic acid are added in place of glucose.

4. The in vitro culture medium for the in vitro culture according to claim 1, wherein the amount of lactic acid is 0.25 to 5.5  $\mu\text{L/mL}$  (as 60 % solution) and the amount of pyruvic acid is 0.009 to 0.036 mg/mL.

5. A method for in vitro culturing in vitro-produced porcine embryo, comprising culturing the in vitro-produced porcine embryo for 0 to 2 days after fertilization using a culture medium of claim 1 or 2, and subsequently culturing the embryo in a glucose-containing culture medium.

6. The method for in vitro culturing in vitro-produced porcine embryo according to claim 5, wherein the culture medium of claim 1 or 2 is a culture medium comprising NCSU culture medium, from which glucose is removed and lactic acid and pyruvic acid are added in place of glucose.